

Title 20 Overview

Introduction for Beginners ***Refresher for All***



Appliances Office, California Energy Commission

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David Nichols, Supervisor

Bruce Helft, Outreach and Education Unit

November 14, 2018

California Energy Commission

- California's primary energy policy and planning agency
- Sets building and appliance efficiency standards
- Licenses thermal power plants 50 MW or larger
- Invests in energy innovation and research
- Forecasts energy supply and demand
- Prepares for energy emergencies
- Develops renewable energy
- Transforms transportation





TODAY'S AGENDA

Time	TOPIC
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09:00	Title 20 Appliance Efficiency Regulations Overview
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09:30	Appliance Database Basics, Certification Process Overview
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10:00	How to Participate in the Rulemaking Process
-------	--

10:30	Resources for Accessing Information about Title 20 General Q&A Session
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10:00 a.m. – 10:30 a.m.

Topic 1

Appliance Efficiency Regulations

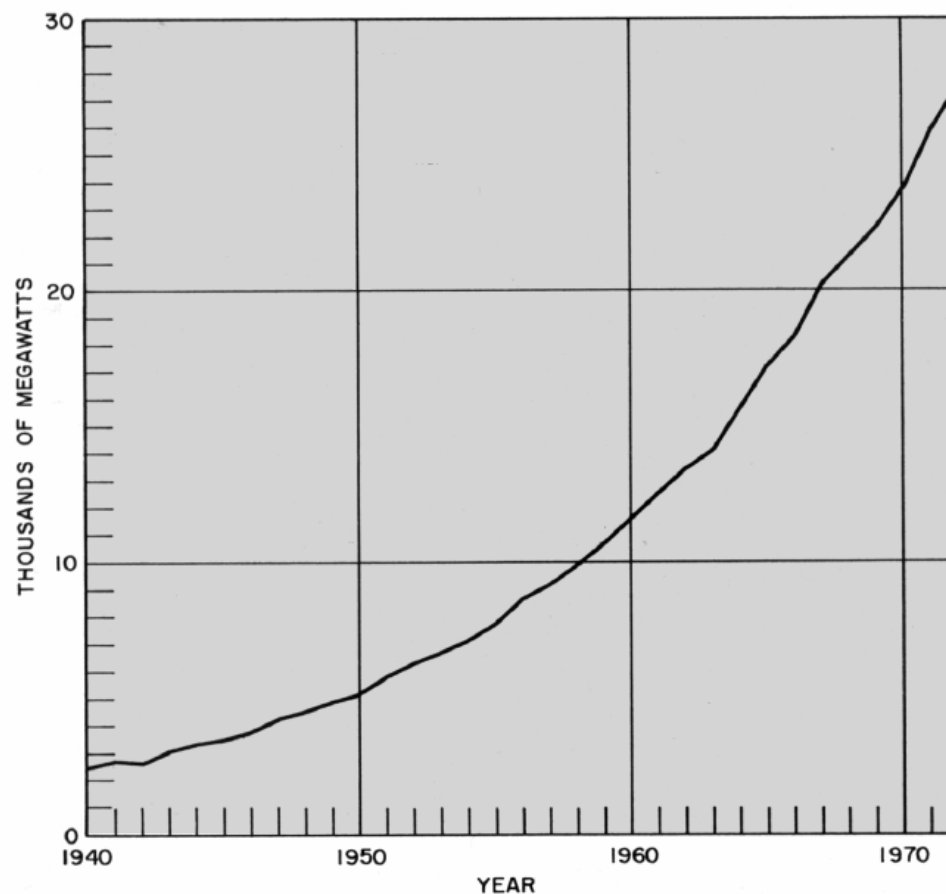
**California Code of Regulations
Title 20, §§ 1601-1609**

www.energy.ca.gov/title20/





Why Efficiency Standards?



Source: California Resources Agency 1973



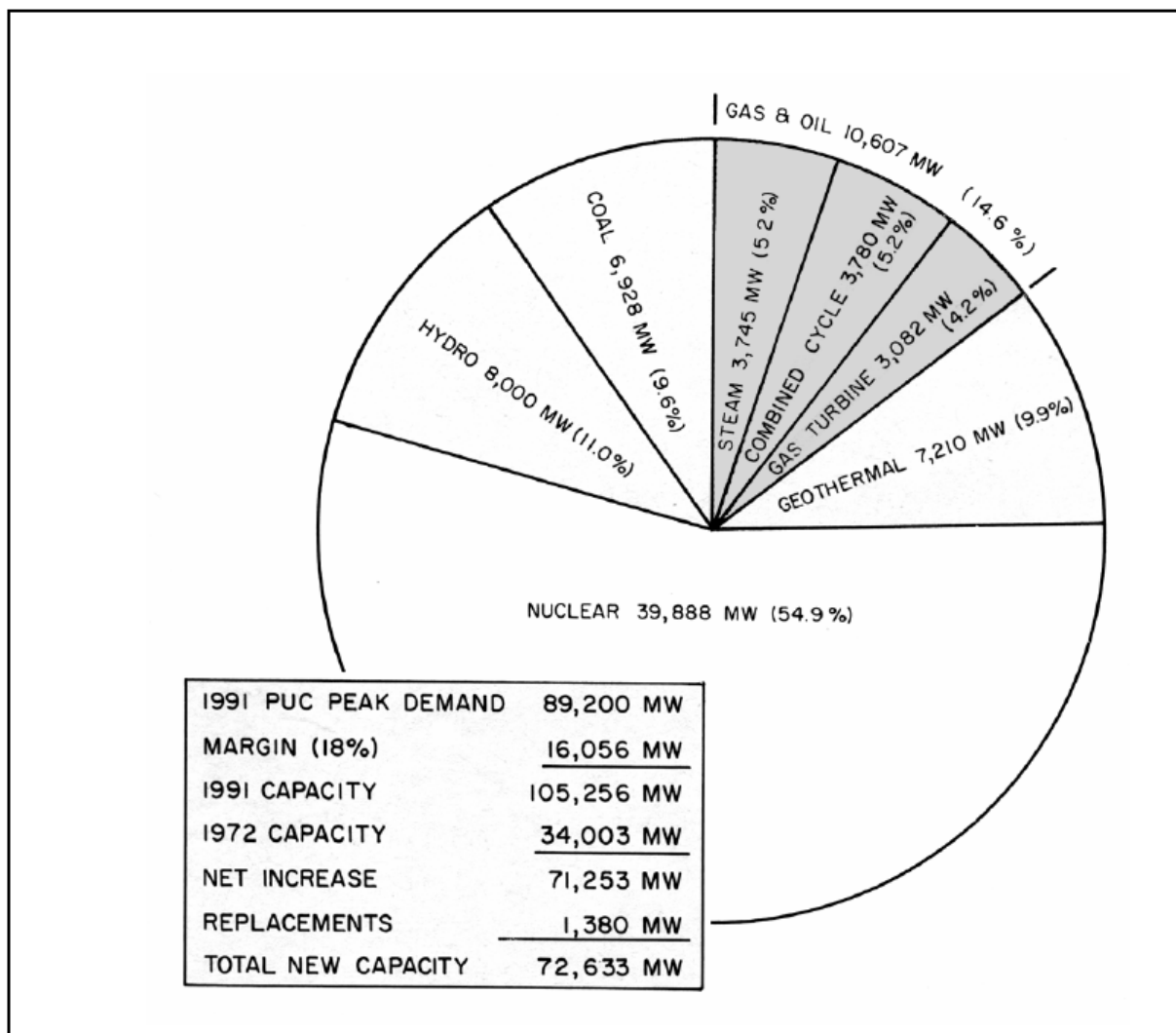
Why Efficiency Standards?





Why Efficiency Standards

Figure 2. Projections of New Capacity Required, 1973-1991





CA Governor Ronald Reagan signing Warren-Alquist Act in 1974

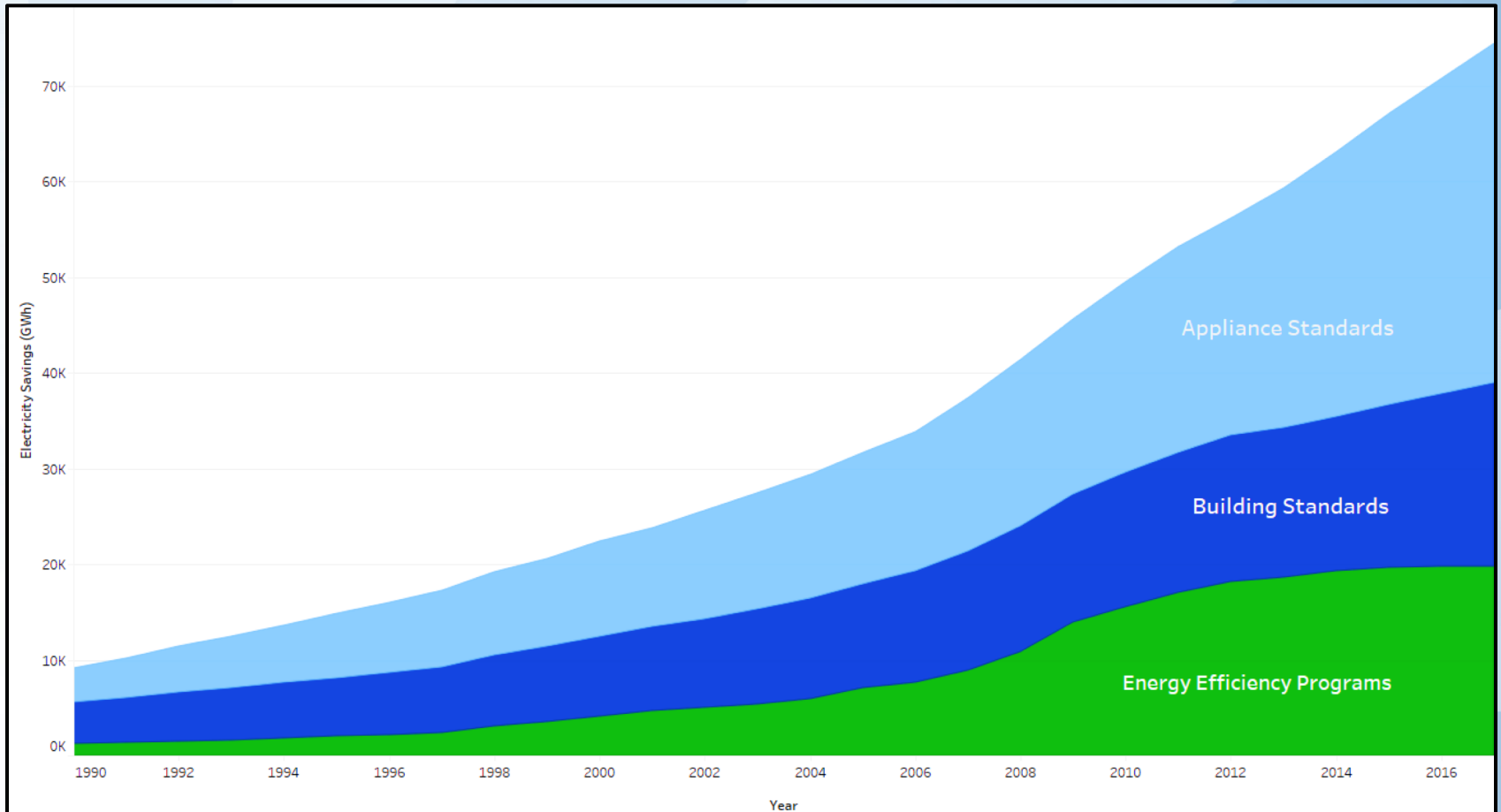
First Appliance Standards 1977

Table 2. Residential Appliance Standards - First Group

Appliance	Descriptor	Effective Date	
		Tier I	Tier II
Refrigerators	Kilowatt-hours per month (kWh/mo)	11/3/77	11/3/79
Refrigerator-Freezers	kWh/mo	" "	" "
Freezers	kWh/mo	" "	" "
Room Air Conditioners	Energy Efficiency Ratio (EER)	" "	" "
Central Air Conditioners	EER	" "	" "

The Benefits of Standards

Since 1975, energy efficiency standards have saved California approximately **\$75 billion** in electricity costs.



Source: California Energy Commission, Appliances Office 2018

Efficiency Standards

	Application	Regulatory Entity	First Regulation
Title 20: Appliance Efficiency Regulations (CA)	Appliances	California Energy Commission (CEC)	1976
Federal Appliance Standards*	Appliances	Department of Energy (DOE)	1987
Title 24: Building Energy Efficiency Standards (CA)	Residential and Non- Residential New Construction	California Energy Commission (CEC)	1978

*Federal standards generally **preempt** a state from setting efficiency standards for the same appliance.



Title 20: Structure and Organization

1601 – Scope

1602 – Definitions

1603 – Testing Requirements

1604 – Test Methods

1605 – Energy Performance and Design Standards

- 1605.1 – Federal and State Standards for Federally-Regulated Appliances
- 1605.2 – State Standards for Federally-Regulated Appliances
- 1605.3 – State Standards for Non-Federally-Regulated Appliances

1606 – Listing of Appliances in Database

1607 – Marking of Appliances

1608 – Compliance and Enforcement

1609 – Administrative Penalties





Title 20: Structure and Organization

Section 1605 – Standards Subsections

Section 1605.1 – federal standards for covered devices

Section 1605.2 – this is where CA would include state standards for appliances where it seeks, or has obtained, a waiver of preemption from DOE

Section 1605.3 – contains CA state-only standards



Title 20: Structure and Organization

- **Section 1604** – contains test methods pertaining to all appliances; both those covered by the U.S. Department of Energy and/or the California Energy Commission
- **Section 1606** – contains the CA reporting requirements for both state- and federally regulated appliances
- **Section 1607** – contains marking requirements for all covered appliances sold in California.



Title 20 Regulations: Structure and Organization

23 appliance **categories** grouped **(a)** through **(w)** in the Regulations.
Specific appliance **types** appear within each category (75 total).

16 categories as they appear in the Commission's database:

- Air Filters
- Central Air Conditioners
- Central Heat Pumps
- Computers
- Cooking and Washing Products
- Electronics
- Fans and Dehumidifiers
- Heating Products
- Lighting Products
- Motor Products
- Non-Central AC & HP Products
- Plumbing Products
- Pool Products
- Refrigeration Products
- Transformer Products
- Water Heater Products



Using Search Filters in the Database

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SEARCH

Quick Search

To begin your search enter model criteria and click search. Use the additional fields if necessary. The quick search also allows search results to be narrowed to currently approved models or to search historical models.

To search historical models, please set the status to archived which can be found on the appliance status tab.

Questions can be directed to Appliances@energy.ca.gov or to the Appliances Hotline, toll free at (888) 838-1467 or outside California (916) 651-7100. [Search Instructions](#) are also available.

Model Number

Appliance Type

Company

Brand

Appliance Status

☒ Dynamic Model Search ☐ Standard Model Search

The Dynamic Model Search will look up models each time a key is pressed and will show all models that contain the search value within it. Once you click on one of the presented models and click the search button the search results for that model will be shown.

Enter Model

Search

Clear



Using Search Filters in the Database

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SEARCH

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AA

13CHAA-24-230

13CHAA-30-230

13CHAA-36-230

13CHAA-42-230

13CHAA-48-230

Search

Clear



Using Search Filters in the Database



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Advanced Search

The Advanced Search allows you to create a narrower search by selecting unique model criteria. You will be guided to select the category, type, then narrow your search results with additional filters. In this search you can select the fields displayed in the results by checking the "Select All" box. There are also additional filters that can be applied to look up specific model information.

To search historical models, please set the appliance status to archived.

Questions can be directed to Appliances@energy.ca.gov or to the Appliances Hotline, toll free at (888) 838-1467 or outside California (916) 651-7100. [Search Instructions](#) are also available.

☐ Select Appliance Type

Select Category

Please Select



Select Appliance

Please Select



Select Appliance Status

Approved





Using Search Filters in the Database cont'd.

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Advanced Search

The Advanced Search allows you to create a narrower search by selecting unique model criteria. You will be guided to select the category, type, then narrow your search results with additional filters. In this search you can select the fields displayed in the results by checking the "Select All" box. There are also additional filters that can be applied to look up specific model information.

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Select Appliance Type

Select Category

Please Select

Select Appliance

Please Select

Select Appliance Status

Approved

Please Select

AirFilters

Central Air Conditioners

Central Heat Pumps

Computers

Cooking and Washing Products

Electronics

Fans and Dehumidifiers

Heating Products

Lighting Products

Motor Products

Non-Central AC & HP Products

Plumbing Products

Pool Products

Refrigeration Products

Transformer Products

Water Heating Products



Efficiency Standards Compliance Differences

State-regulated Appliances

- Manufacturers must certify to the MAEDbS *prior to being offered for sale or sold* in California.
- Effective dates for standards generally are based on *manufacture date*.
- Once certified, models remain in the “Approved” section of the database until deleted by the manufacturer or removed to the “Archived” section of the database when a new standard or test method becomes effective.
- State marking requirements: manufacturer name, model number, and date of manufacture; additional requirements for some appliance types.

NOTE: Title 24 requires any covered product installed in new residential or commercial construction to comply with Title 20, including certification to MAEDbS.



Efficiency Standards Compliance Differences

Federally Regulated Appliances

- Manufacturers must certify to the DOE's Compliance Certification Management System (CCMS) *before distributing an appliance in commerce* in the U.S. and certify to the Modernized Appliance Efficiency Database System (MAEDbS) before selling or offering the appliance for sale in California.
- Annual re-certification is required to CCMS, but not to MAEDbS.
- Federal labeling requirements, if any, apply.
- Effective dates for standards are generally based on manufacture date.
- Information required to certify in MAEDbS may differ from the data required for CCMS certification to the DOE.

Title 20 Appliance Efficiency Program



Regulations & Rulemakings

- » **Appliance Efficiency Regulations**
- » **Current Appliance Efficiency Rulemakings**
- » **Historical Rulemakings**



Outreach & Education

- » **News, Fact Sheets, FAQs**
- » **Program Bulletins**
- » **Webinar Documents**



Featured Links

- » **Commercial and Industrial Air Compressors, Regulatory Advisory**
- » **Federally Regulated Battery Chargers, Regulatory Advisory**
- » **2018 California Lighting Standards Information**
- » **Residential Pool Pump and Motor Combinations and Replacement Residential Pool Pump Motors, Regulatory Advisory**



Upcoming Events

- » **October 18, 2018
Webinar: Energy Efficiency Regulations for Notebook Computers**

Modernized Appliance Efficiency Database System (MAEDBS)

- » **MAEDBS Log In**
- » **Quick Search**
- » **Advanced Search**
- » **Company Search (Third Party and Test Labs)**
- » **Certification Packets**
- » **Instructions for Submitting Appliance Data**
- » **MAEDBS Enhancements and Updates**



Questions?



10:30 a.m. – 11:00 a.m.

Topic 2

Certification Process

**Modernized Appliance Efficiency Database
System**

M A E D b S





Certification Process


A state- or federally regulated new appliance sold or offered for sale in California, including via the internet, must be certified to the Energy Commission as compliant with the Title 20 Regulations. This includes:

- Meeting the applicable efficiency standards
- Testing in a test lab approved by the Commission
- Marking each unit per Title 20 §1607
- Certifying each model to the Commission
- Model appears in the Commission's database

Note: Once certified to the Commission, that model is compliant until either a new standard or new test method becomes effective for that appliance, or the data reported to the Commission changed.



Create New Account

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MAEDBS Log In

*User ID

*Password

☐ I have read and agree to the [Login Policy](#)

[Forgot your User ID?](#) [Forgot your Password?](#)

Sign In

Don't have an account

Create an authorized CEC account if you are responsible for certifying or testing any products.

An account is not required for searching the database.

Register new account

Public Search

Search for publically available appliance information

Appliance Search

3rd Party and Test Laboratory Approvals

Search for publically available approval information for 3rd party certifiers and test labs.

Test lab applications for the next certification year become available on November 1st each year.

Search

Questions related to the new appliance database can be directed to Appliances@energy.ca.gov or to the Appliances Hotline, toll free at (888) 838-1467 or outside California (916) 651-7100 (9 AM to 4:30 PM PST).

Need additional help? Register with EnergyCodeAce.com (<http://energycodeace.com/content/registration-information>) to access its Title 20 On-Demand Video Training series (<http://energycodeace.com/content/title-20-training>). Separate modules on how to use the MAEDBS are provided for manufacturers, third-party certifiers, test labs, retailers, distributors and consumers. The site also provides useful industry links and informational documents to help "decode" Title 20.

Current Build: Version 2.6.8 Deployed on 10/30/2018



Certification Process

1

- Select appliance category and type

2

- Choose how to submit appliance data
 - Manually (using computer interface to input)
 - Upload Excel file from your computer

3

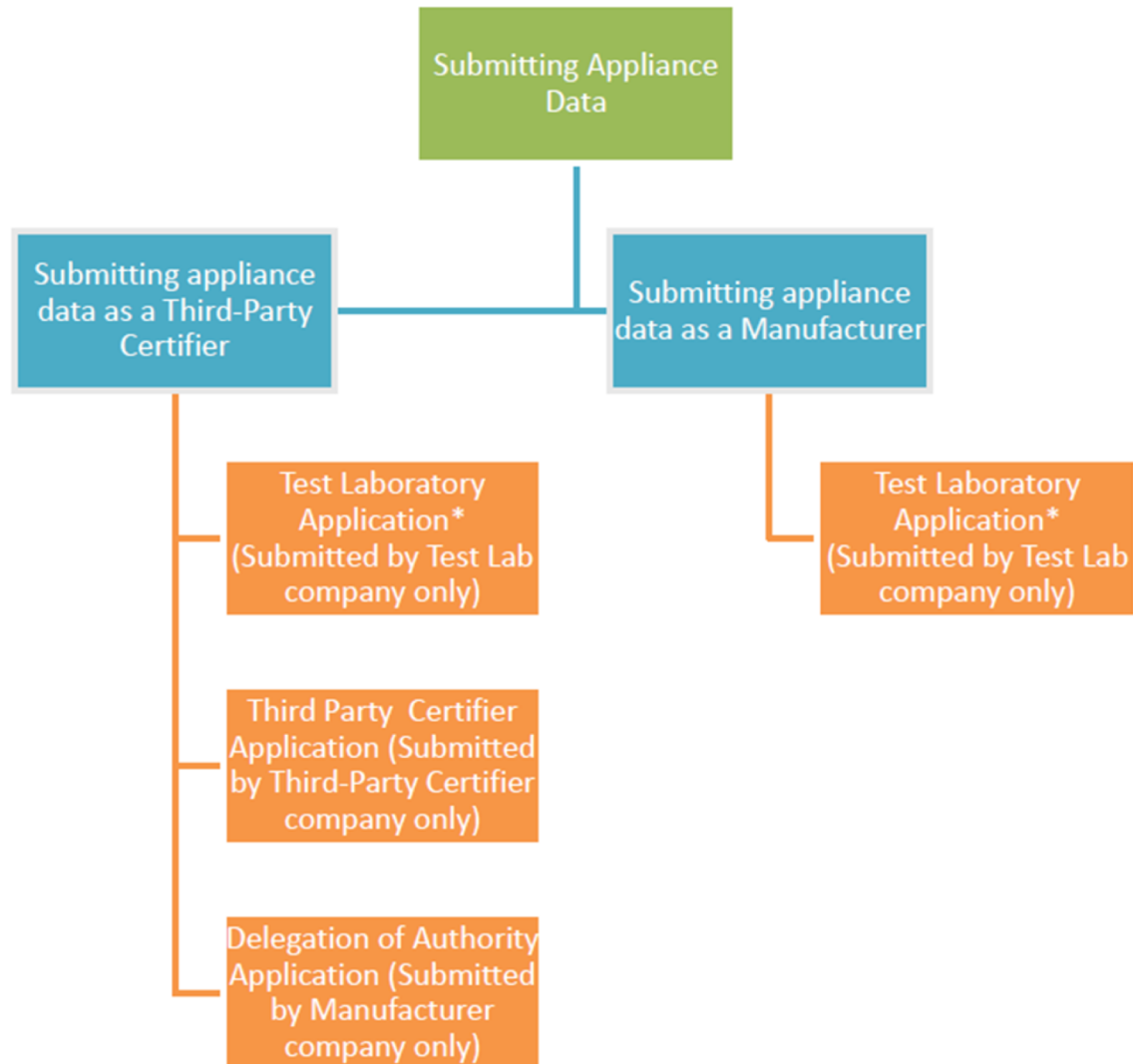
- Accept and Sign (type) the appliance submittal declaration

4

- Submit appliance data for First Stage Validation



Paths to Certification





Certification Process

Company Login

Company Type

Please select the company type you would like to proceed as:

☒ Manufacturer ☐ Test Lab ☐ 3rd Party Certifier

Company Login

Company Type

Please select the company type you would like to proceed as:

☐ Manufacturer ☐ Test Lab ☒ 3rd Party Certifier



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HOME

APPLICATIONS

ACCT MGMT

SEARCH

Submit Appliance Data

Delegation of Authority Application



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APPLICATIONS

ACCT MGMT

SEARCH

Submit Appliance Data

Third Party Certifier Application

CA.GOV HOME APPLICATIONS ACCT MGMT SEARCH

Select Appliance

Select Category	Select Appliance	Type of Entry
<input type="text" value="Please Select"/>	<input type="text" value="Please Select"/>	<input type="text" value="Please Select"/>

Next

CA.GOV HOME APPLICATIONS ACCT MGMT SEARCH

Select Appliance

Select Category	Select Appliance	Type of Entry
<input type="text" value="Please Select"/>	<input type="text" value="Please Select"/>	<input type="text" value="Please Select"/>

Please select the manufacturer you are submitting on behalf of

<input type="text" value="Please Select"/>
--

Next

Certification Process

1. Fill out all **fields** . →

2. Click

Save



Consumer Audio & Video

Save

Cancel

Instructions

- Key in appliance data according to associated fields in the import template provided in the instructions for this specific appliance type. If the appliance brand name does not appear in the dropdown, enter it in the free entry field, this will be added to the system after CEC staff processing
- Model data must first be processed by CEC prior to any submissions to change or delete previously submitted model data

*Action

Please Select

*Model Number

Manufacturer

Add Date

Brand

Please Select

New Brand

*Regulatory Status

Please Select

Audio Video Type

Please Select

Standby Power Usage (Watts)

Standby Power Usage (Watts) Std

On Mode Power Usage (Watts)

On Mode Power Usage (Watts) Std



Certification Process

First Stage Validation

- Submit data through MAEDbS for check of the submitted data format

Second Stage Validation

- Successful submissions through the MAEDbS First Stage Validation are processed by Energy Commission staff
- Compliance with federal and state standards is verified



Certification Process

Second Stage Validation results

- Successful
 - Appliance data is now available in MAEDbS
- Partially Successful
 - Unsuccessful data must be re-submitted
- Unsuccessful
 - Appliance data must be re-submitted

Results are emailed to the certifier of record

Test Lab Application

California Appliance Efficiency Program 2019 Test Laboratory Application

[Submit](#)[Cancel](#)

Company Information

*Test Laboratory Name

[Search](#)

Address 1

Address 2

City

State

ZIP/Postal Code

Country

Company Website (URL)

*Contact First Name

*Contact Last Name

[Search](#)

Phone Number

Fax

Email Address

Appliance Type and Test Method Selection

<input type="checkbox"/>	Appliance Type	Test Method
No records found		

Test Lab Declaration and Search

Declaration

- ☐ I declare under penalty of perjury of the laws of the State of California, that: All the information in this statement is true, complete, accurate, and in compliance with all applicable provisions of Sections 1601-1609 of Title 20 of the California Code of Regulations; and I am authorized to make this declaration, and to file this application, on behalf of (Test Lab Not Selected)
- ☐ It agrees to and does interpret and apply the applicable test method set forth in Section 1604 precisely as written;
- ☐ It has, and keeps properly calibrated and maintained, all equipment, material, and facilities necessary to apply the applicable test method precisely as written;
- ☐ It agrees to and does maintain copies of all test reports, and provided any such report to the Executive Director on request, for all basic models that are still in commercial production; and
- ☐ It agrees to and does allow the Executive Director to witness any test of such an appliance on request, up to once per calendar year for each basic model.
- ☐ It has conducted tests using the applicable test method(s) specified on the first page of this application within the previous 12 months;
- ☐ It agrees to, and will follow, all applicable provisions of the California Energy Commission's Appliance Regulations (Section 1601-1609 of Title 20 of the California Code of Regulations), in carrying out all testing pursuant to this application.

NOTICE: Test lab approvals are valid until December 31st of each year and then expire. Test labs must apply annually for approval to the California Energy Commission. Test lab applications for the next certification year become available on November 1st each year.

Don't have an account

Create an authorized CEC account if you are responsible for certifying or testing any products.

An account is not required for searching the database.

Register new account

Public Search

Search for publically available appliance information

Appliance Search

3rd Party and Test Laboratory Approvals

Search for publically available approval information for 3rd party certifiers and test labs.

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Search



Company Search Database - Test Lab

1. Use different search criteria to begin search.

2. Click "Search" to view company info from results.

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SEARCH

Company Search

Enter company search criteria and click search to view results

Company Name

Country
USA

Company Type
Test Lab

Appliance Type
Air Filters

Company Status
Approved

Approval Start Date

Approval End Date

Search

Search Results 5 record(s) found

Export To:

	<input type="checkbox"/>	Company	Type	Address1	City	State	Country
Select	<input type="checkbox"/>	AAF Flanders	Test Lab	200 Patrol Road, Ste 100	Jeffersonville	Indiana	USA
Select	<input type="checkbox"/>	AAF Flanders NC	Test Lab	531 Flanders Filters Rd	Washington	North Carolina	USA
Select	<input type="checkbox"/>	LMS Technologies, Inc.	Test Lab	6423 Cecilia Circle	Bloomington	Minnesota	USA
Select	<input type="checkbox"/>	Research Products Corporation	Test Lab	1015 E. Washington Ave	Madison	Wisconsin	USA
Select	<input type="checkbox"/>	StrionAir	Test Lab	410 South Arthur Avenue	Louisville	Colorado	USA



What Test Labs Need to Know



- ✦ Prior to testing appliance data, test labs must be approved by the Energy Commission
 - ✧ Test lab must submit a Test Laboratory Application using MAEDBS
 - ✧ Each appliance type and test method requires approval

An MAEDBS company account is required to access the Test Laboratory Application. "Registering and Managing an Account" provides all details needed to get set up in MAEDBS.

What is “compliance”?

Scenario	Is compliant with the current efficiency standard?	Is certified to the CEC database?	Title 20 Compliant?
1	Yes	Yes	Yes
2	No	Yes	Yes
3	Yes	No	No
4	No	No	No

Does not meet the current efficiency standards but does meet an earlier standard.

Meets the current standard but is not certified to the CEC database.



Appliance Status Views



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[SEARCH](#)

Quick Search

To begin your search enter model criteria and click search. Use the additional fields if necessary. The quick search also allows search results to be narrowed to currently approved models or to search historical models.

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[Model Number](#)

[Appliance Type](#)

[Company](#)

[Brand](#)

[Appliance Status](#)

Select Appliance Status

☒ Approved
☐ Archived

[Search](#)

[Clear](#)

Approved / Archived Database

Models when first certified to the MAEDbS initially appear in the **Approved** status view.

Moved to **Archived** status when:

- a new standard or test procedure for that appliance takes effect, or
- the model number is deleted by a manufacturer

Models marked with a manufacture date prior to the mandatory effective date of a new standard or new test procedure remain lawful for sale.

NOTE: Existing models manufactured on or after the effective date of a new standard or new test method must be **recertified** to the new standard or certified with data that has been derived from the new test method for lawful sale in California.



Efficiency Standards Compliance Differences

Federally Regulated Appliances

- Manufacturers must certify to the DOE's CCMS *before distributing an appliance in commerce* in the USA.
- Annual recertification is required.
- Federal labeling requirements, if any, apply.



Efficiency Standards Compliance Differences

State-regulated Appliances

- Manufacturers must certify to the MAEDbS *prior to being offered for sale or sold* in California.
- Effective dates for standards are based on *manufacture date*.
- Once certified, models remain in the “Approved” section of the database until deleted by the manufacturer or removed by the Commission to the “Archived” section of the database when a new standard or test method becomes effective.
- State marking requirements: manufacturer name, model number, and date of manufacture; additional requirements for some appliance types.

NOTE: Title 24 requires any covered product installed in new construction to comply with Title 20, including certification to MAEDbS.



Certification Process

MAEDBS Enhancements and Updates

The Modernized Appliance Efficiency Database System (MAEDBS) gets updates with new functionality or changes on a regular basis. Details of database enhancements and updates are added to this page as they occur. To receive email announcements of these updates, please subscribe to the Title 20 Compliance Assistance List Serve at the right.

Enhancements

» October 2, 2018

MAEDBS Update: New computer appliance types created permitting early certification to the efficiency standards for Desktop Computers, Thin Clients, Mobile Gaming Systems, Notebook Computers, and Portable All-In-Ones, effective on January 1, 2019.

New appliance types have been created under the 'Computers' appliance category to allow for certification to the Energy Commission under Title 20, the appliance efficiency regulations, for Desktop Computers, Thin Clients, Mobile Gaming Systems, Notebook Computers, and Portable All-In-Ones, that become effective on January 1, 2019. The instruction packets on how to certify these appliance types are located under the [Computers Data Certification Forms](#) link under the Certification Packets section located on the [Appliances Office homepage](#). While certification for these appliance types does

Subscribe

Title 20 Compliance Assistance List Serve

Automated Email Notifications

First name:

Last name:

Email address:

You will receive an email requesting that you confirm your subscription.

Send

Reset





Questions?



10:00 a.m. – 10:30 a.m.

Topic 3

How to Participate in the Rulemaking Process





Recent CA Appliance Efficiency Rulemakings

2018 – Portable Electric Spas

- Estimated to save about 242 GWh/yr after stock turn over

2016 – Computers and Computer Monitors

- Estimated to save about 2,332 GWh after stock turn over

2016 - State-regulated LED and Small Diameter Directional Lamps

- Estimated to save 32,792 GWh over the first 13 years

2015 - Water Efficiency Standards

- Emergency standards for toilets, urinals, faucets, and showerheads expected to save 730 billion gallons of water over 10 years

New CA Appliance Efficiency Rulemakings

State Standards Effective in 2018

- ✓ Computers (selected types)
- ✓ State-Regulated General Service Lamps
- ✓ LEDs
- ✓ Small Diameter Directional Lamps
- ✓ Showerheads (July 1, 2018)

State Standards Effective in 2019

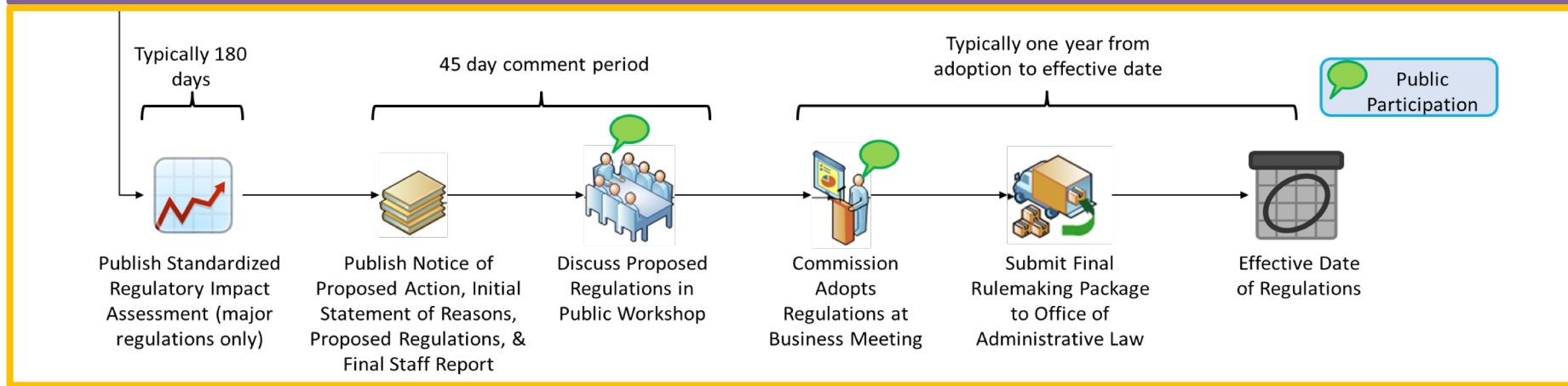
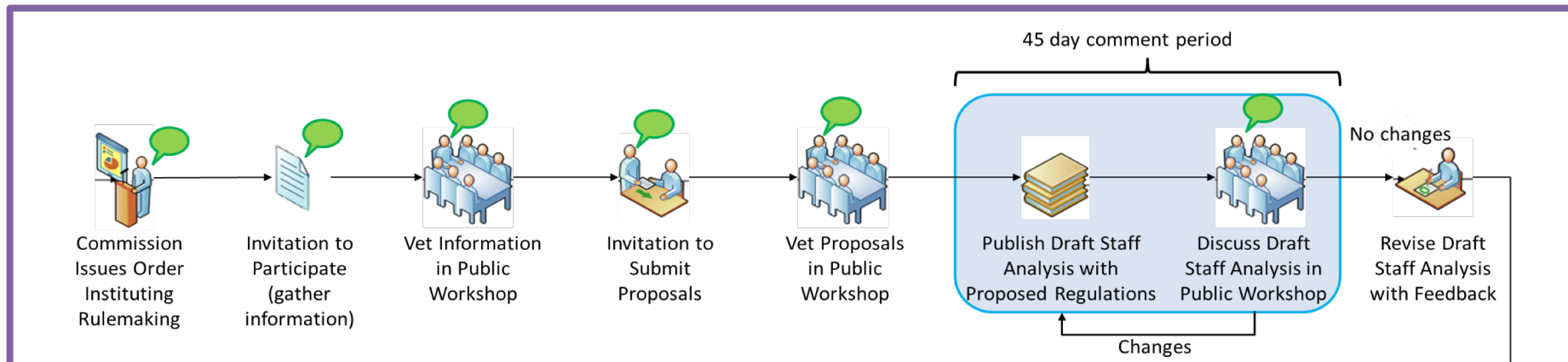
- Tier II for LEDs (July 1, 2019)
- Computers (selected types)
- Computer monitors (July 1, 2019)
- Portable Electric Spas (June 1, 2019)





Overview of Rulemaking Process

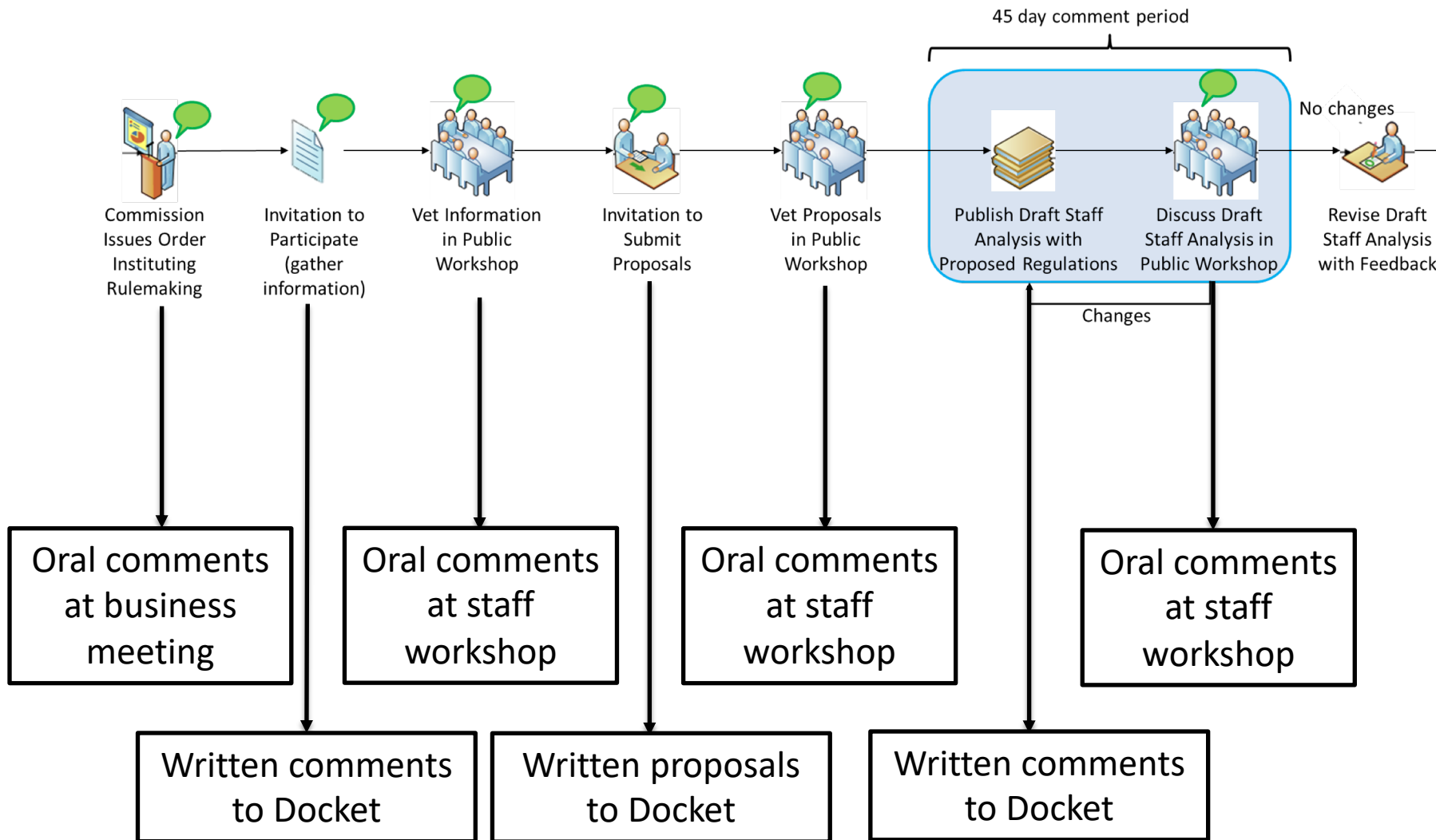
Pre-Rulemaking



Formal Rulemaking

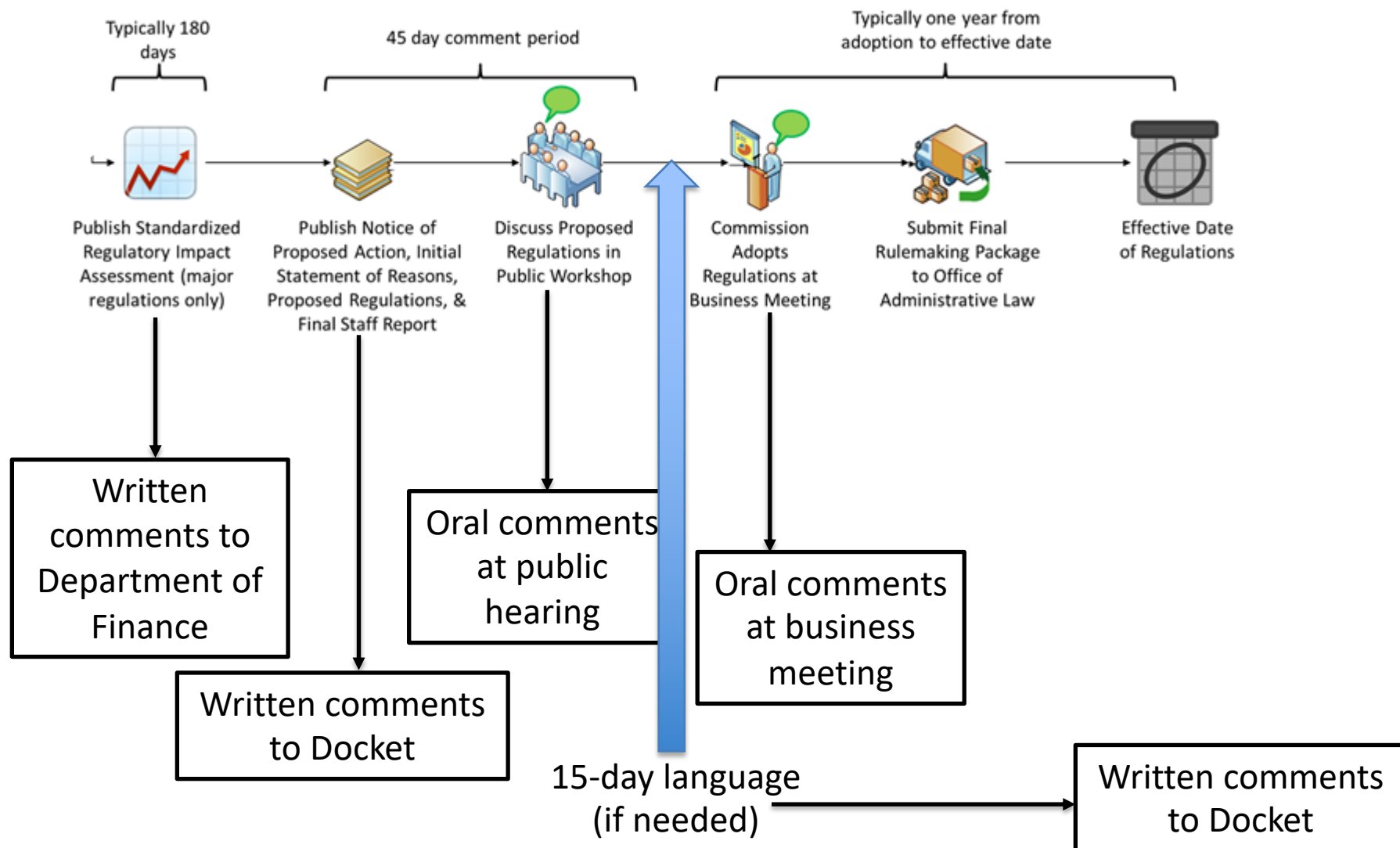


Opportunities to Comment – Pre-rulemaking







Opportunities to Comment – Formal Rulemaking





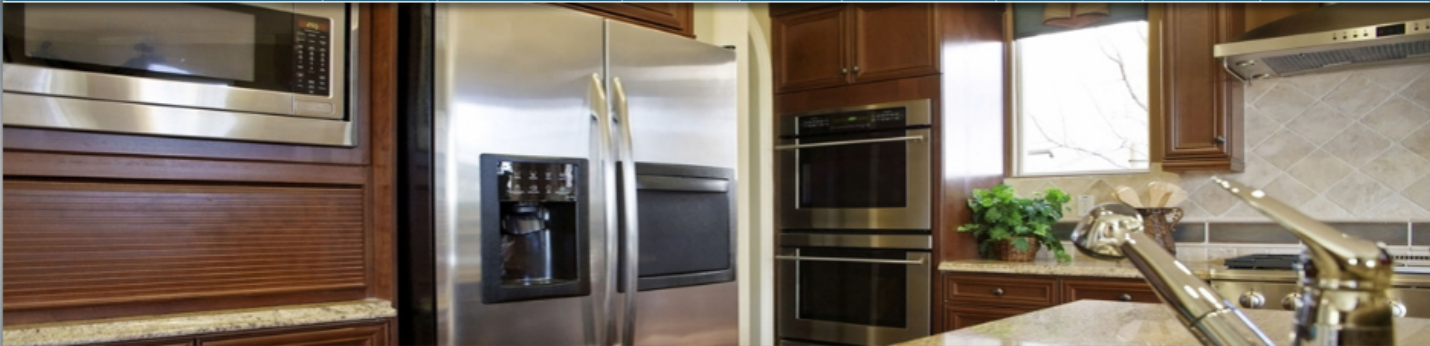
How to Submit Comments

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Home » appliances » 2018-AAER-04-06 08

2018 Appliance Efficiency Standards Rulemaking Portable Air Conditioners

Commissioner: Andrew McAllister

Docket # 18-AAER-04

The California Energy Commission invites interested stakeholders to submit information regarding Portable Air Conditioners to this docket.

For questions about this proceeding, contact:

Patrick Saxton
California Energy Commission
Appliances & Outreach & Education Office
1516 Ninth Street, MS-25
Sacramento, CA 95814-5512
Patrick.Saxton@energy.ca.gov

Proceeding Documents

- Display Documents for this Proceeding (18-AAER-04)
- Submit e-Comment**
- Submit e-Filing

Calendar

November 14, 2018
Webinar: Overview of the Title 20 Appliance Regulations, WebEx (live)

Subscribe

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How to Submit Comments

Add Comment

Docket #: 18-AAER-04 Project Title: Portable Air Conditioners

Fields denoted by an asterisk (*) are required.

Contact Information

Full Name *

Contact Address

Email Address *

Address 2

Role in this Proceeding

City

State

Zip

Comment

Comment Title *

Subject(s) [select one or more](#)

[Choose subject\(s\)](#)

128 Character left out of 128

Comment Text [not required if you include a document attachment](#)

Do you have a document you would like to include?

For Mac users with iWork software, you can create a PDF file for upload by (1) selecting **Print** from the **File** menu; (2) clicking on **Save as PDF...** from the **PDF** drop down menu; and (3) Clicking **Save** to save the PDF file on your computer.

All PDF documents need to be in searchable text format (optical character recognition (OCR) format) to comply with ADA requirements or your document(s) will be rejected.

No file chosen

Maximum upload file size: 10 MB. Allowed attachments: pdf, doc, docx.

☐ I'm not a robot



Documents uploaded after 5:00pm PST/PDT will be docketed on the next business day. Note that in some cases, filing deadlines may be set earlier than 5:00pm PST/PDT.

I certify under penalty of perjury under the laws of the State of California that on this date I:

1. am legally authorized to submit the accompanying comments or documents,
2. have received any required licenses with respect to any copyrights or trademarks applicable to the accompanying documents,
3. have determined that the accompanying documents comply with the Energy Commission's guidelines for appropriate submissions, and
4. understand that unless my written request for confidentiality has been approved under California Code of Regulations, title 20, section 2505, my written and oral comments, filings (including the accompanying documents), and associated contact information (e.g. address, phone, email, etc.) will become part of the viewable public record and may become publicly available via Google, Yahoo, and any other internet search engines.

For more information about the Commission's procedures for applications for confidentiality, please contact the Chief Counsel's Office at (916) 654-3951. For the instructions and form for requesting a document be given confidential status, see http://www.energy.ca.gov/commission/chief_counsel/documents/CEC13.pdf

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For any questions regarding e-commenting, please send an e-mail to e-CommentingHelp@energy.ca.gov, or call 800-822-6228 or 916-654-4498.



How to Submit Comments

- Or by e-mail to DOCKET@energy.ca.gov (include the Docket number and subject in your email)
- Or by mail to:

Docket Unit
California Energy Commission
Docket No. [##-####-##]
1516 9th Street, MS-4
Sacramento, CA 95814

- Or by fax to Dockets at (916) 654-4354



How to Find Information

All rulemaking information is contained in the Docket for that proceeding.

Docket Log

Docket: 18-AAER-04

Project Title: Portable Air Conditioners

Generated On: 11/2/2018 11:19:08 AM

Home » appliances

Current Appliance Efficiency Rulemakings

2018 Pre-Rulemaking

» [Docket # 18-AAER-03](#) (Phase 2 Pre-Rulemaking dockets 18-AAER-05 through 18-AAER-06, and 18-AAER-08)

The California Energy Commission invites interested stakeholders to submit proposals for standards, test procedures, labeling and/or other measures that will improve the efficiency and reduce the energy consumption of the appliances below. Energy Commission considers these proposals, along with the data and information received through the Invitation to Participate, as they draft recommendations for the Energy Commission's consideration as part of the formal rulemaking.

- » 18-AAER-05 - Commercial and Industrial Air Compressors
- » 18-AAER-06 - Hearth Products
- » 18-AAER-08 - Federally Exempted Linear Fluorescent Lamps

2018 Rulemaking

» [Docket # 18-AAER-10](#)

The California Energy Commission proposes amendments to the Title 20 Appliance Efficiency Regulations in this rulemaking. The amendments will involve updates to reflect current federal law, updates to state requirements, updates to reflect the Modernized Efficiency Database System (MAEDbS) and the certification process, updates to data submittal requirements, and updates to improve readability of the regulations. None of these amendments will change the underlying energy and water efficiency standards reflected in current regulations.

Include: ☒ Documents ☒ Comments ☒ Transcripts

↓ TN #	Docketed Date	Document Title	Exhibit #	To	From
225107	10/26/2018	Notice of Availability - Initial Study and Proposed Negative Declaration for Portable Air Conditioners Notice of Availability - Initial Study and Proposed Negative Declaration for Portable Air Conditioners 2 page(s)		CEC/Dockets	California Energy Commission
225106	10/26/2018	Notice of Completion & Environmental Document Transmittal - Portable Air Conditioners Notice of Completion & Environmental Document Transmittal - Portable Air Conditioners 2 page(s)		CEC/Dockets	California Energy Commission
225105	10/26/2018	Initial Study and Proposed Negative Declaration for Portable Air Conditioners Initial Study and Proposed Negative Declaration for Portable Air Conditioners 27 page(s)		CEC/Dockets	California Energy Commission
224969	10/12/2018	California Investor Owned Utilities Comments Statewide CASE Team Analysis of Standards Proposal for Portable Air Conditioners 48 page(s)		CEC/Docket Unit	California Investor Owned Utilities
224964	10/12/2018	Comment Sheet for Proposed Portable Air Conditioner Regulations 1 page(s)		CEC/Docket Unit	California Energy Commission
224958	10/11/2018	Initial Statement of Reasons - Portable Air Conditioners Appliance Efficiency Rulemaking		CEC/Dockets	California Energy



How to Get Notified

- Sign up for the Appliances Listserve!
 - Rulemaking notices
 - Staff reports
 - Comment periods
 - Comments received on the rulemaking

<https://www.energy.ca.gov/listservers/index.html>

(Select **appliances – Appliance Efficiency Standards**)



Active Pre-Rulemakings

- Commercial and industrial fans and blowers
- General service lamps (expanded scope)
- Replacement pool pump motors
- Tub-spout diverters
- Irrigation controllers
- Set-top boxes (roadmap)
- Low power modes and power factor (roadmaps)
- Solar inverters (roadmap)
- Hearth products
- Federally exempted linear fluorescent lamps
- Commercial tumble dryers
- Air filter labeling



Active and Upcoming Formal Rulemakings

- Portable air conditioners
- Commercial and industrial air compressors
- Spray sprinkler bodies



Portable Air Conditioners

- [Docket # 18-AAER-04](#)
- Propose efficiency standards for portable air conditioners, effective Feb. 1, 2020



First Year Electricity Savings	Savings after Stock Turnover	First Year Monetary Savings	Monetary Savings After Stock Turnover
36.9 GWh	369 GWh/yr	\$4.97M	\$49.68M/yr

Written Comments	Public Hearing
November 26	November 27



Air Compressors

- [Docket #18-AAER-05](#)
- Propose efficiency standards for commercial and industrial air compressors



First Year Electricity Savings	Savings after Stock Turnover	First Year Monetary Savings	Monetary Savings After Stock Turnover
25 GWh	322 GWh/yr	\$4M	\$49.4M/yr

Written Comments	Public Hearing
TBD	TBD



Spray Sprinkler Bodies

- [Docket #17-AAER-08](#)
- Propose efficiency standards and test procedures for spray sprinkler bodies



Fist Year Water Savings	Savings after Stock Turnover	First Year Electricity Savings	Savings after Stock Turnover	First Year Monetary Savings	Monetary Savings After Stock Turnover
14.1 Bgal	141 Bgal/yr	50 GWh	501 GWh/yr	\$81.2M	\$811.4M/yr

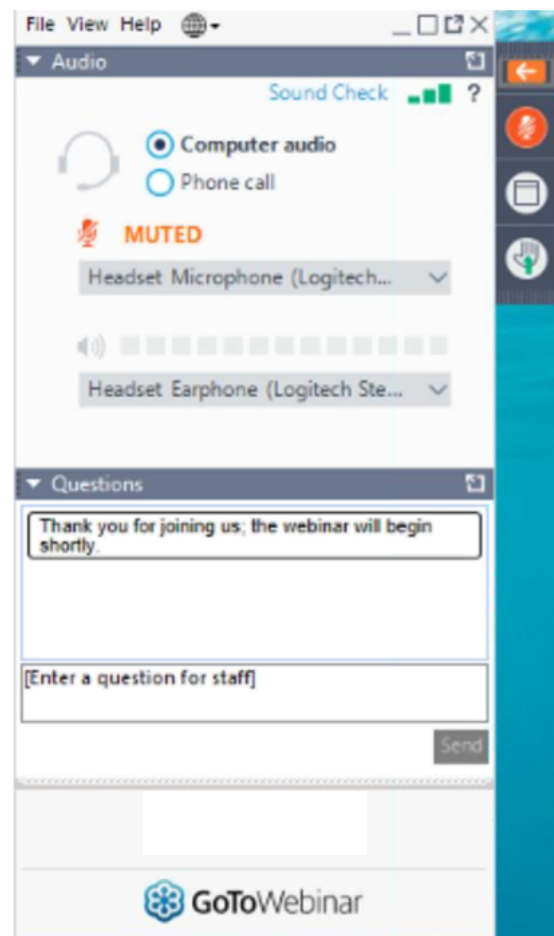
Standardized Regulatory Impact Assessment	Written Comments	Public Hearing
TBD	TBD	TBD



Questions?

Questions?

Please send questions
through the Questions
pane



10:30 a.m. – 10:45 a.m.

Topic 4

Ask the CEC



Ask the Energy Commission

- Frequently Asked Questions (FAQs)
- Title 20 Compliance Assistance Call Center
- Title 20 Compliance Assistance Listserv
- Title 20 Reference Tool ACE
- Energy Code Ace for Title 20
- Webinar Recordings and PowerPoints



www.energy.ca.gov/appliances

Title 20 Appliance Efficiency Program



Regulations & Rulemakings

- » Appliance Efficiency Regulations
- » Current Appliance Efficiency Rulemakings
- » Historical Rulemakings



Outreach & Education

- » News, Fact Sheets, FAQs
- » Program Bulletins
- » Webinar Documents



Featured Links

- » Commercial and Industrial Air Compressors, Regulatory Advisory
- » Federally Regulated Battery Chargers, Regulatory Advisory
- » 2018 California Lighting Standards Information
- » Residential Pool Pump and Motor Combinations and Replacement Residential Pool Pump Motors, Regulatory Advisory



Upcoming Events

- » October 18, 2018
Webinar: Energy Efficiency Regulations for Notebook Computers



Resources

Warren-Alquist Act

California Public Resources Code, §§ 25213, 25218(e), 25402(c), 25402.5.4, 25402.11, 25950-25967,
www.energy.ca.gov/reports/Warren-Alquist_Act/

California Code of Regulations

Title 20, §§ 1601-1609, www.energy.ca.gov/title20/

Proposed Regulations:

- California Regulatory Notice Register,
oal.ca.gov/california_regulatory_notice_online/
- Appliance Rulemaking Dockets,
www.energy.ca.gov/appliances/rulemaking.html



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Resources

Title 20 Compliance Assistance listserv

www.energy.ca.gov/efficiency/listservers.html

How to certify to MAEDbS

www.energy.ca.gov/appliances/forms/index.html#webdocs

Title 20 Compliance Assistance Call Center

Toll free inside California **(888) 838-1467**

From outside of California **(916) 651-7100**

appliances@energy.ca.gov





Questions?

